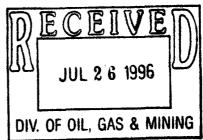
#### Petroglyph Operating Co., Inc. P.O. Box 1839

Hutchinson, KS 67504-1839

July 19, 1996

Utah Division of Oil, Gas, & Mining Attn: Mr. Frank Matthews, Petroleum Engineer 1594 West North Temple Box 145801 Salt Lake City, UT 84114-5801



RE: APPLICATION FOR PERMIT TO DRILL UTE TRIBAL # 28-04 NW/NW SEC. 28, T5S, R3W DUCHESNE COUNTY, UTAH LEASE NO. BIA 14-20-H62-3517 UTE TRIBAL LANDS

Dear Mr. Matthews:

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone # (801) 789-4120
Fax # (801) 789-1420

Sincerely

Ed Trotter

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

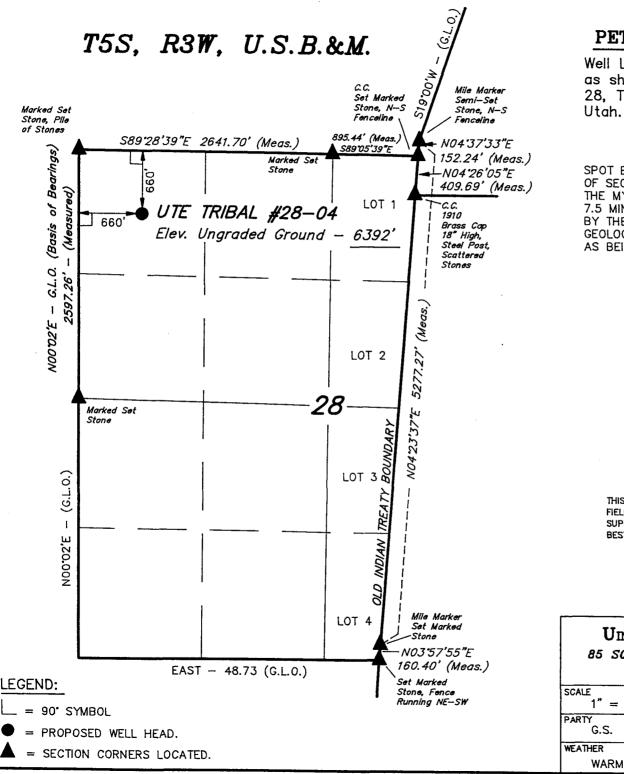
## UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE\*

(Other instru

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

	DEPARIMEN						5. LEASE DESIGNATION	N AND SERIAL NO.
	BUREAU O	14-20-Н62						
APPLICATIO	N FOR PERMIT	TO DRILL,	DEEP	EN, OR P	LUG B	BACK	6. IF INDIAN, ALLOTTI	OR TRIBE NAME
1a. TYPE OF WORK								OURAY TRIBE
		DEEPEN		PL	UG BA	CK 🗌	7. UNIT AGREEMENT	NAME
	AS			INGLE	MULTIP	LE [	8. FARM OR LEASE NA	W.
2. NAME OF OPERATOR	/ELL OTHER			ONE L	ZONE		-	
PETROCLYPH	OPERATING CO	INC.					UTE TRIBA 9. WELL NO.	<u> </u>
3. ADDRESS OF OPERATOR							28-04	
P.O. BOX 60	7, ROOSEVELT	, UT 84066	5				10. FIELD AND POOL,	OR WILDCAT
4. LOCATION OF WELL (R At surface	eport location clearly as	nd in accordance wi	th any S	state requireme	nts.*)		ANTELOPE	
660' FNL &	660' FWL, NW	/NW					11. SEC., T., R., M., OR AND SURVEY OR A	BLK. REA
At proposed prod. zor	ie ,						Sec. 28,	T55. R3W
14. DISTANCE IN MILES	AND DIRECTION FROM NE	AREST TOWN OR POS	T OFFIC	E*			12. COUNTY OR PARISE	•
	Southwest of			-			<b>\</b>	UTAH
15. DISTANCE FROM PROPE	SED*	117 00117 0		OF ACRES IN	LEASE	17. No. 6	DUCHESNE OF ACRES ASSIGNED	JUTAN
LOCATION TO NEARES: PROPERTY OR LEASE I (Also to nearest dr);	INE, FT.	660'		409.40			HIS WELL 40	
18. DISTANCE FROM PROT	OSED LOCATION*		19. PH	OPOSED DEPTH		20. ROTA	RY OR CABLE TOOLS	
TO NEAREST WELL, D OR APPLIED FOR, ON TH				6237'		F	ROTARY	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					·	22. APPROX. DATE W	ORK WILL START*
6391' GRADED	GROUND						AUGUST,	1996
23.		PROPOSED CASI	ING ANI	CEMENTING	PROGRAM	A.		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T	SETTING D	EPTH	1	QUANTITY OF CEME	NT
12 1/4	8 5/8	24.0#		250	) '	135 s	sx class "G"	+ 2% CaCl <sub>2</sub>
7 7/8	5 1/2	15.5#		623	7'	+ 1/4	4 #/sx cello	flake.
						OF IN LIGHT LCM TO OR FE (+ 59	TO 400' ABO NTEREST (+ 1 F CEMENT (10 FO 200' ABOV RESH WATER I 6 EXCESS).	0% EXCESS). PPG ± ) + E OIL SHALE NTERVALS
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	ibe, Fort Du				•		JUL 2 6 1	996
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IN ABOVE SPACE DESCRIBE cone. If proposal is to preventer program, if any	drill of deepen direction	proposal is to deep aally, give pertinent	en or p data o	lug back, give on subsurface lo	data on procations an	esent pled	ustive sone and propose	d new product ve
24.	/\							
17.8	11 4011	mra	LAge	nt for I	Petro	glyph	DATE July	19, 1996
SIGNED	" Julian	TI1						
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	ral or State office use)	/ 4 0						A CONTRACTOR OF THE PARTY OF TH
	ral or State office use)	/ 4 0		ARPROVAL DATE		,		

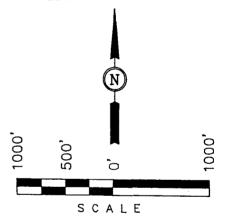


#### PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #28-04, located as shown in the NW 1/4 NW 1/4 of Section 28, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

#### BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE NW 1/4 SW 1/4
OF SECTION 28, T5S, R3W, U.S.B.&M. TAKEN FROM
THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY,
7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED
BY THE UNITED STATES DEPARTMENT OF THE INTERIOR,
GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED
AS BEING 6573 FEET.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MARE BY HE OF COMPER MY SUPERVISION AND THAT THE SAME ARE TOUR AND SPREET TO THE BEST OF MY KNOWLEDGE AND BELSEE

REGISTERED LAND SURVEYOR REGISTRATION NO. (161319) STATE OF UTAH

# UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL UTAH 84078 (801) 789-1017

SCALE 1" =	1000'			DATE SURVEYED: 6-10-96	DATE DRAWN: 6-11-96
PARTY G.S.	B.P.	D.R.B.		REFERENCES G.L.O. PL/	AT
WEATHER WARM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		FIL PE	_	RATING CO., INC.

#### **EIGHT POINT PLAN**

#### UTE TRIBAL # 28-04 NW/NW SEC. 28, T5S R3W DUCHESNE COUNTY, UTAH

#### 1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2736.8	3664
'X' marker	4410.8	1990
Douglas Creek	4550.8	1850
"B" Limestone	4920.8	1480
B/Castle Peak Limestone	5480.8	920
Basal Carbonate Limestone	5906.8	494
Total Depth	6236.8	164

Anticipated BHP

2700 psi

#### 2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<b>Formation</b>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4550.8	1850
Oil/Gas	B/Castle Peak	5480.8	920
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

#### 4. CASING PROGRAM:

						MINIMUM S	<u>AFETY FA</u>	<u>CTOR</u>
HOLE SIZI	E INTERVAL	<b>LENGTH</b>	<b>SIZE</b>	<b>WEIGHT</b>	<b>GRADE</b>	COLLAPS	<u>E BURST T</u>	<b>ENSILE</b>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0'-6236.8'	6236.8'	5 1/2	M-50 #	J-55	4040 PSI	4810 PSI	202,000#

All casing will be new or inspected.

#### **EIGHT POINT PLAN**

#### UTE TRIBAL # 28-04 NW/NW SEC. 28, T5S R3W DUCHESNE COUNTY, UTAH

#### 5. MUD PROGRAM

INTERVAL	MUD TYPE
0' - 250'	Air
250' - 4000'	Air/Mist & Aerated Water
4000' - TD	Air/3% KCL water or KCL substitute
TD	Gel/polyacrylamide plolymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

#### 6. <u>VARIANCE REQUESTS:</u>

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

#### 7. **EVALUATION PROGRAM:**

Logs:	Mud Logging	T.D. to base of surface csg.
	Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
	Dual Laterolog - Micro-SFL	T.D. to base of surface csg.

Numar (Magnetic Resonance Imaging Log)

1.D. to base of surface esg.

@ Geologists discretion

Cores: None Programmed
DST': None Programmed

Completion: To be submitted at a later date.

#### 8. ABNORMAL CONDITIONS:

None anticipated.

#### **EIGHT POINT PLAN**

#### UTE TRIBAL # 28-04 NW/NW SEC. 28, T5S R3W DUCHESNE COUNTY, UTAH

#### 9. <u>STANDARD REQUIRED EQUIPMENT:</u>

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

#### 10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in associaton with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in associaton with the drilling of this well.

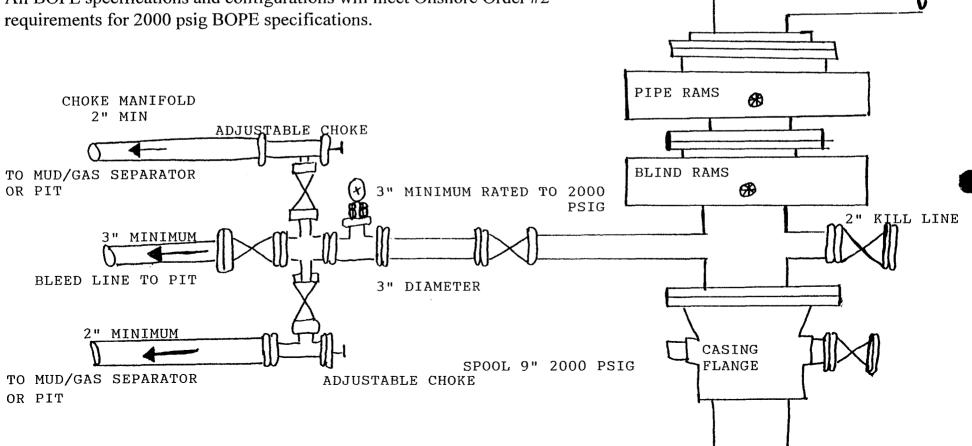
(Attachment: BOP Schematic Diagram)

#### 2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED. CASING FLANGE IS 9" 2000 PSIG RATED. BOPE 9" 2000 PSIG

#### **TESTING PROCEDURE:**

- 1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
- 2. Blind rams will be tested to rated working pressure, 2000 psig
- 3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



ROTATING

FLOW LINE

HEAD

## CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.

Well Name & Number: <u>Ute Tribal # 28-04</u> Lease Number: <u>BIA 14-20-H62-3517</u>

Location: 660' FNL & 660' FWL, NW/NW, Sec. 28, T5S R3W

U.S.B.&M., Duchesne County, Utah

Surface Ownership: Ute Indian Tribe

#### NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice

- at least twenty-four (24) hours prior to spudding the

well.

Casing String and

Cementing

- twenty-four (24) hours prior to running casing and

cementing all casing strings.

BOP and related

**Equipment Tests** 

- twenty-four (24) hours prior to running casing and

tests.

**First Production** 

Notice

- within five (5) business days after new well begins

or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.

#### THIRTEEN POINT SURFACE USE PROGRAM

#### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 24.8 miles southwest of Myton, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

#### 2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.4 miles in length. See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way

will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

## 3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells None
- B. Abandoned wells None
- C. Temporarily abandoned wells None.
- D. Disposal wells None.
- E. Drilling wells None.
- F. Producing wells 14\*
- G. Shut in wells None
- H. Injection wells None(\*See attached TOPO map "C" for location)

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

#### A. ON WELL PAD

- 1. Tank batteries None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines None

- 4. Gas gathering lines-None
- 5. Injection lines None
- 6. Disposal lines None
- 7. Surface pits None

#### B. OFF WELL PAD

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 1000' from proposed location to a point in the SW/SW of Section 21, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing facility at the Ute Tribal #21-13 tank battery. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
- 3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Ute Tribal # 21-13 location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded. The required paint color is Desert Brown.

#### 5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

#### 6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

#### 7. METHODS OF HANDLING WASTE DISPOSAL

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site.

  Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

#### On BIA administered land:

allow discharge of liquids.

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

# \_\_\_\_\_\_To protect the environment: If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site. \_\_\_\_\_\_\_To protect the environment (without a chemical analysis) reserve pits will be constructed so as not to leak, break, or

Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

#### 8. ANCILLARY FACILITIES

A. No airstrips or camps are planned for this well.

#### 9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the South side of the location. The flare pit will be located downwind of the prevailing wind direction on the South side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the North side of the location.

Access to the well pad will be from the Southwest.
N/A Diversion ditch(es) shall be constructed on the
side of the location (above/below) the cut slope, draining to
the
N/A Soil compacted earthen berm(s) shall be placed on the
side(s) of the location between the
N/A The drainage(s) shall be diverted around the sides of the well pad location
N/A The reserve pit and/or pad locations shall be constructed long and
narrow for topographic reasons
X Corners No. 2 & 6 will be rounded off to minimize excavation.

#### **FENCING REQUIREMENTS**

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to

satisfy himself/herself that the fence is adequately braced and tied off.

#### 10. PLANS FOR RESTORATION OF SURFACE

#### A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

#### B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

#### ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

#### 11. SURFACE OWNERSHIP

Access road:

**Ute Indian Tribe** 

Location:

**Ute Indian Tribe** 

#### 12. OTHER INFORMATION

A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

#### On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Addit	ional Surface Stipulations
N/A	_No construction or drilling activities shall be conducted between
	andbecause of
	· · · · · · · · · · · · · · · · · · ·
<u>N/A</u>	_No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.
N/A	_No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.
N/A	There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).
N/A	_No cottonwood trees will be removed or damaged.
N/A	_Pond will be constructed according to BLM specifications
	approximatelyft of the location, as flagged
	on onsite.

#### LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

<u>PERMITTING</u>	<b>OPERATIONS</b>
Ed Trotter	Deanna Bell
1620 West 750 North	P.O. Box 607
Vernal UT 84078	Roosevelt, UT 84066
Telephone # (801)789-4120	(801) 722-2531
Fax # (801) 789-1420	Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

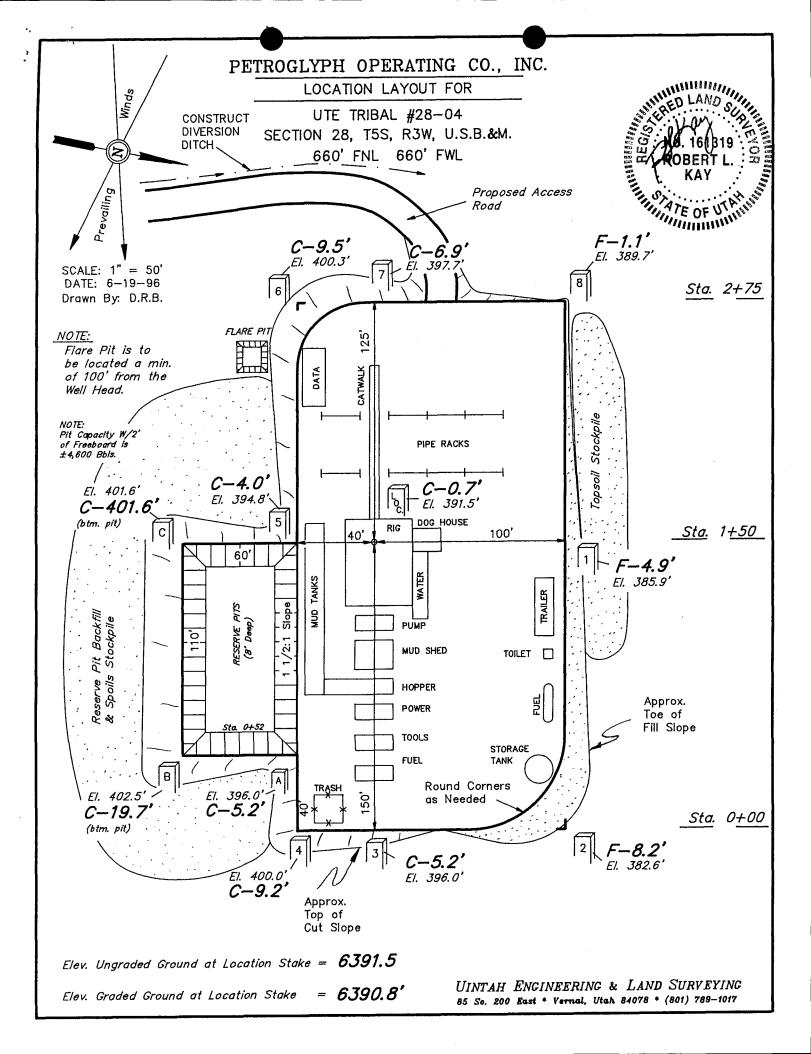
The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

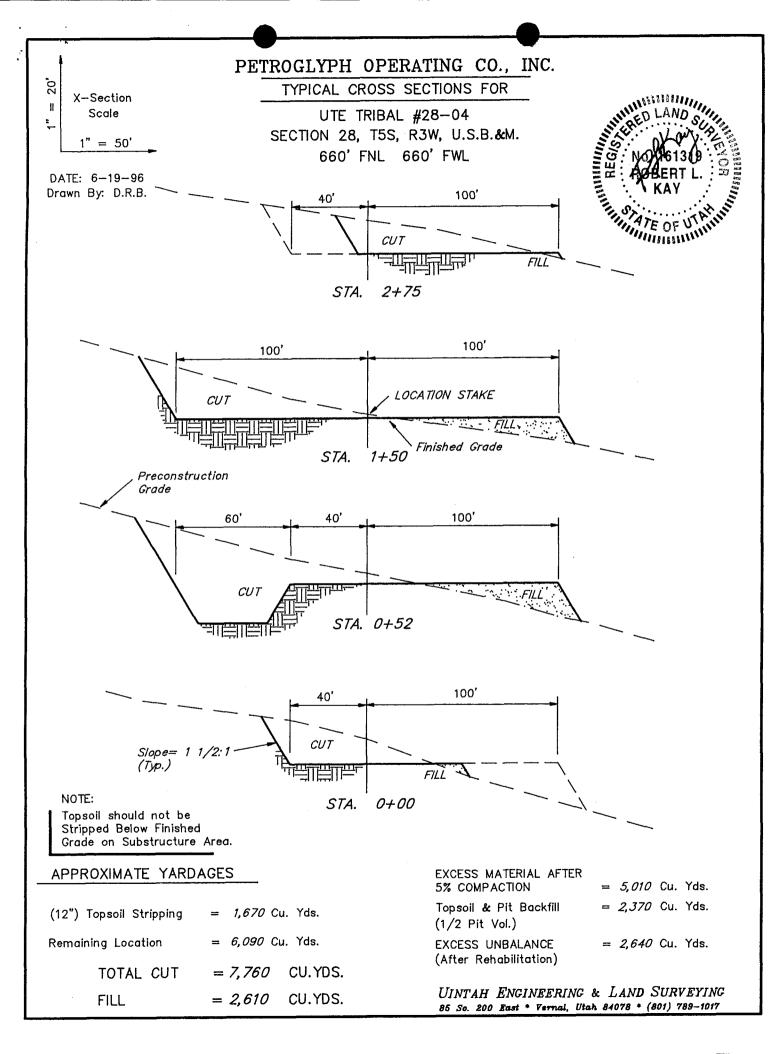
#### **Certification:**

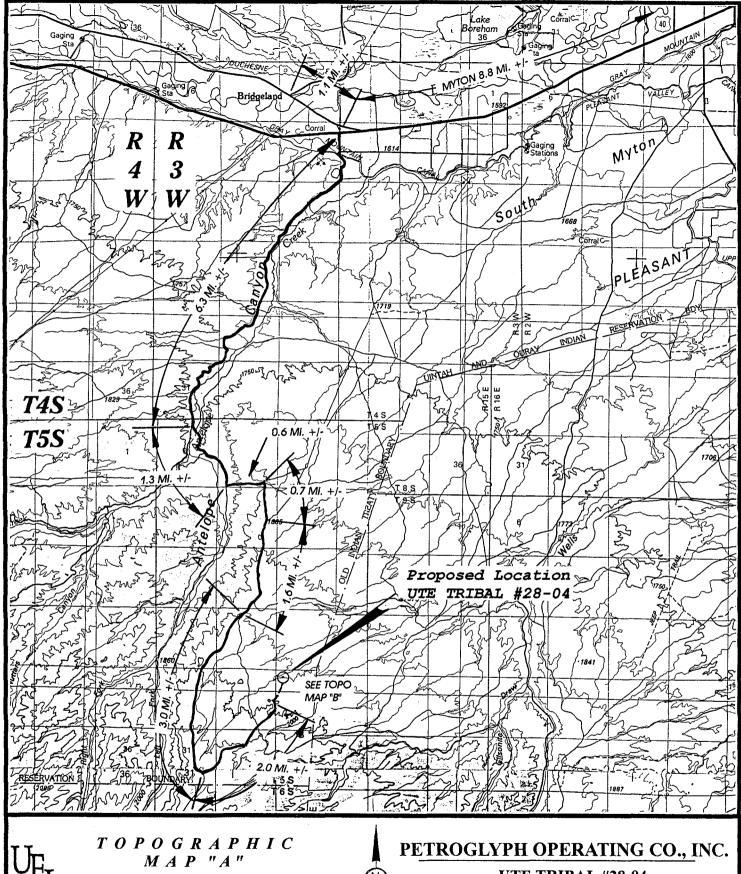
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

fre 4 potter

Date



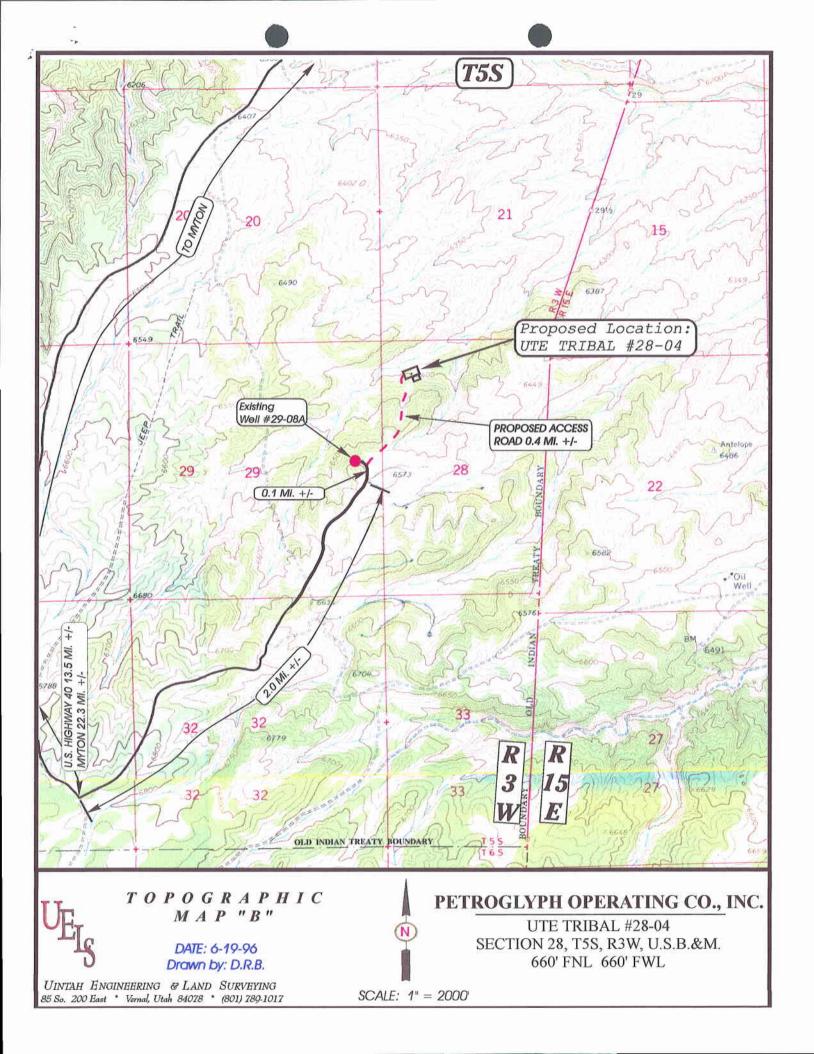


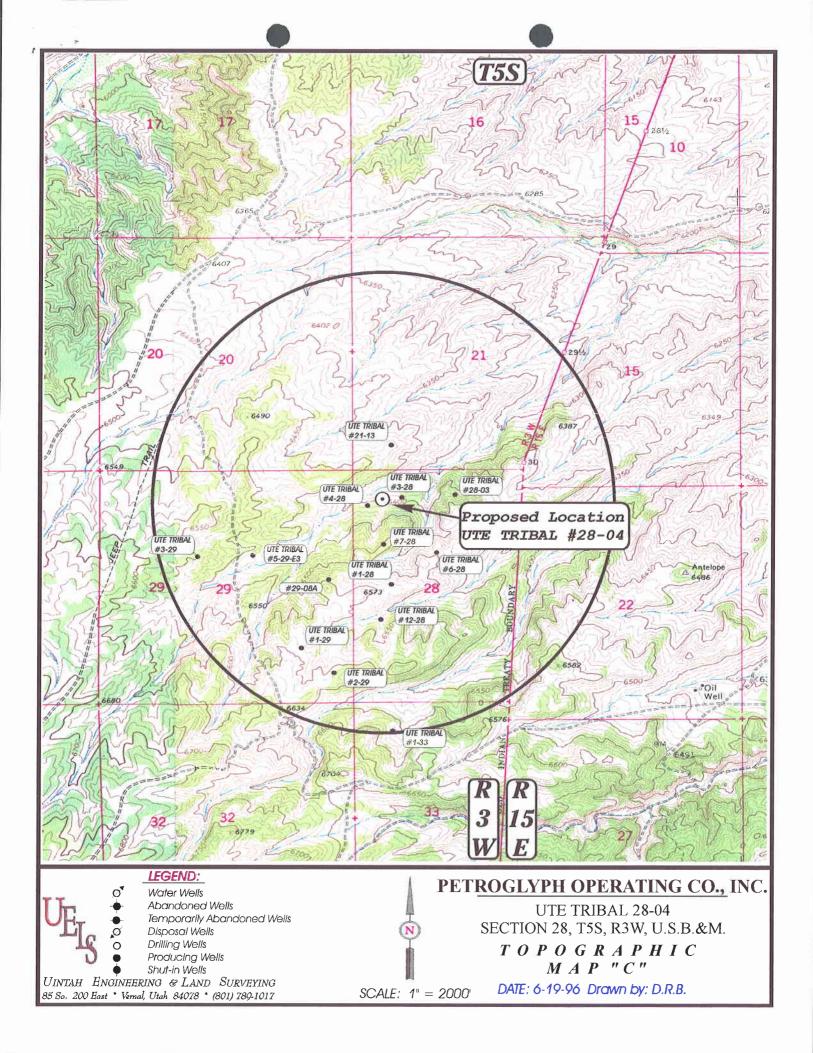


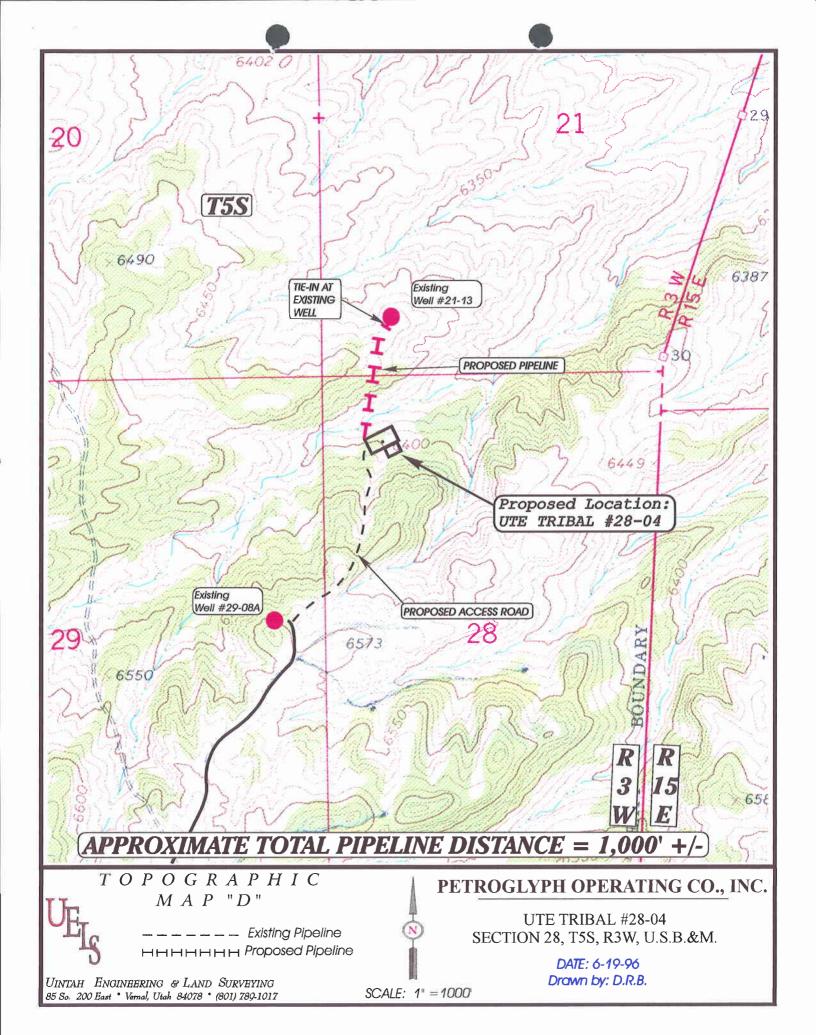
DATE: 6-16-96 Drawn by: D.R.B.

UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

**UTE TRIBAL #28-04 SECTION 28, T5S, R3W, U.S.B.&M.** 660' FNL 660' FWL







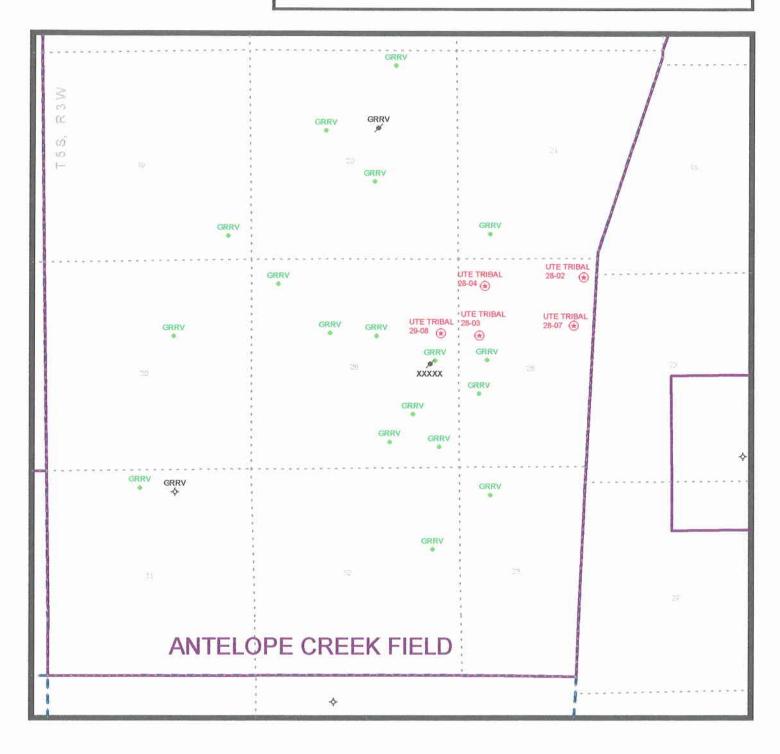
API NO. ASSIGNED: 43-013-31692 APD RECEIVED: 07/26/96 WELL NAME: UTE TRIBAL 28-04 OPERATOR: PETROGLYPH OPERATING (N3800) INSPECT LOCATION BY: PROPOSED LOCATION: NWNW 28 - T05S - R03W TECH REVIEW Initials SURFACE: 0660-FNL-0660-FWL Date BOTTOM: 0660-FNL-0660-FWL Engineering DUCHESNE COUNTY ANTELOPE CREEK FIELD (060) Geology LEASE TYPE: IND Surface LEASE NUMBER: 14-20-H62-3517 PROPOSED PRODUCING FORMATION: GRRV LOCATION AND SITING: RECEIVED AND/OR REVIEWED: R649-2-3. Unit: \_\_\_\_\_ 🗸 Plat Bond: Federal [ State [ Fee [ ] → R649-3-2. General. (Number <u>80 4556</u>) N Potash (Y/N)
 Oil shale (Y/N) R649-3-3. Exception. ✓ Water permit (Number <u>43-10152</u>) \_\_ Drilling Unit. Board Cause no: ✓ RDCC Review (Y/N) Date: \_\_\_\_\_ (Date: \_\_\_\_ COMMENTS: STIPULATIONS:



SEC. TWP. RNG: SEC. 28 & 29, T5S, R3W

**COUNTY: DUCHESNE** 

SPACING: UAC R649-3-2 & R649-3-3



PREPARED:

**DATE: 26-JULY-96** 

#### STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: PETROGLYPH OPERATING | Well Name: UTE TRIBAL 28-04

Project ID: 43-013-31692 | Location: SEC. 28 - T5S - R3W

<u>Design Parameters:</u>

<u>Design Factors:</u>

Mud weight (8.80 ppg)	: 0.457	psi/ft	Collapse	:	1.125	
Shut in surface pressure	: 2424	psi	Burst	:	1.00	
Internal gradient (burst)	: 0.068	psi/ft	8 Round	:	1.80	(J)
Annular gradient (burst)	: 0.000	psi/ft	Buttress	:	1.60	(J)
Tensile load is determined	using air	weight	Other	:	1.50	(J)
Service rating is "Sweet"			Body Yield	:	1.50	(B)

	Length (feet)		Weight (lb/ft)		e Joir		Depth (feet)	Drift (in.)	Cost
1	6,237	5.500	15.50	M-5(	) ST&(	C	6,237	4.890	
	Load (psi)	Collapse Strgth (psi)		Burst Load (psi)	Min Int Strgth (psi)		Load	Tension Strgth (kips)	S.F.
1	2851	3650	1.280	2851	4550	1.60	96.67	186	1.92 J

Prepared by : MATTHEWS, Salt Lake City, Utah

Date : 08-16-1996

Remarks :

GREEN RIVER

Minimum segment length for the 6,237 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas

temperature of 118°F (Surface 74°F , BHT 161°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,851 psi, respectively.

NOTE:

The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1987 pricing model. (Version 1.07)



# DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter Division Director 801-538-5319 (TDD)

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340 801-359-3940 (Fax)

August 16, 1996

Petroglyph Operating Company, Inc. P.O. Box 607 Roosevelt, Utah 84066

Ute Tribal 28-04 Well, 660' FNL, 660' FWL, NW NW, Sec. 28, T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. API identification number assigned to this well is 43-013-31692.

Sincerely

Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office



Operator:	Petro	glyph	Operating	Company,	Inc.
Well Name & Number	: Ute T	'ribal	28-04	-	
API Number:	43-01	3-3169	92		
Lease:	14-20	-H62-3	3517		
Location: NW N	W Sec.	28	T. 5 S	. R.	3 W.

#### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

SUBMIT IN T CATE\* Form approved. Form 3160-3 Budget Bureau No. 1004-0136 (November 1983) s on UNITED STATE Expires August 31, 1985 (formerly 9-331C) DEPARTMENT OF THE WATE 5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT 14-20-H62-3517 6. IF INDIAN, ALLOTTED OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL UINTAH & OURAY TRIBE 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN DRILL X DTV. OF OIL. GAS b. TYPE OF WELL OIL X ZONE S. FARM OR LEASE NAME GAS WELL ZONE OTHER 2. NAME OF OPERATOR UTE TRIBAL 9. WELL NO. PETROGLYPH OPERATING CO., INC. 3. ADDRESS OF OPERATOR 28-04 P.O. BOX 607, ROOSEVELT, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)
At surface 10. FIELD AND POOL, OR WILDCAT ANTELOPE CREEK 11. SEC., T., R., M., OR BLK AND SURVEY OR AREA 660' FNL & 660' FWL, NW/NW At proposed prod. zone Sec. 28, T5S, R3W 12. COUNTY OR PARISH | 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 24.8 miles Southwest of Myton, Utah UTAH DUCHESNE 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, TO THIS WELL 409.40 660' (Also to nearest drlg. unit line, if any) 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 18. DISTANCE FROM PROPOSED LOCATION\*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 6237' ROTARY 22. APPROX. DATE WORK WILL START\* 21. ELEVATIONS (Show whether DF, RT, GR, etc.) AUGUST, 1996 6391' GRADED GROUND 23. PROPOSED CASING AND CEMENTING PROGRAM WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT SIZE OF CASING SIZE OF HOLE sx class "G" + 2% CaCl<sub>2</sub> 250' 24.0#  $\overline{12}$ 8 5/8 1/4 6237' + 1/4 #/sx celloflake. 7/8 1/2 15.5# 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONE OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (10 PPG ± ) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS). PETROGLYPH OPERATING COMPANY INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556. Utah Division of Oil, Gas and Mining pc: Bureau of Indian Affairs, Fort Duchesne, UT

Ute Tribe, Fort Duchesne, UT

BECEIVED

JUL 25 1996

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive IN zc pr

zone. If proposal is to drill or deepen directionally, give preventer program, if any.	re pertinent data on subsurface locations and measured and	true vertical depths. Give blowout
SIGNED The withen	TITL Agent for Petroglyph	DATE JULY 19, 1996
(This space for Federal or State office use)	APPROVAL DATE	
APPROVED BY	Assistant Field Manage Mineral Resources	PR AUG 16 1996.

\*See Instructions On Reverse Side

COA's Page 1 of 9 Well: Ute Tribal 28-04

### CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company

Well Name & Number: <u>Ute Tribal 28-04</u>				
API Number:	43-013-31692			
Lease Number:	14-20-H62-3517			
Location: <u>NWNW</u> Sec. <u>28</u> T. <u>5S</u> R. <u>3W</u>				
	NOTIFICATION REQUIREMENTS			
Location Construction -	at least forty-eight (48) hours prior to construction of location and access roads.			
Location Completion -	prior to moving on the drilling rig.			
Spud Notice -	at least twenty-four (24) hours prior to spudding the well.			
Casing String and - Cementing	at least twenty-four (24) hours prior to running casing and cementing all casing strings.			
BOP and Related - Equipment Tests	at least twenty-four (24) hours prior to initiating pressure tests.			
First Production - Notice	within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.			

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

#### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### A. DRILLING PROGRAM

1. <u>Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered</u>

Report <u>ALL</u> water shows and water-bearing sands to Tim Ingwell of this office **prior to** setting the next casing string or requesting plugging orders. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. <u>Pressure Control Equipment</u>

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

COA's Page 3 of 9 Well: Ute Tribal 28-04

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm$  737 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

#### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

#### 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  537 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

#### 6. <u>Notifications of Operations</u>

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

<u>Immediate Report</u>: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170 Petroleum Engineer

Ed Forsman (801) 789-7077 Petroleum Engineer

Jerry Kenczka (801) 789-1190 Petroleum Engineer

BLM FAX Machine (801) 781-4410

#### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

COA's Page 8 of 9 Well: Ute Tribal 28-04

#### SURFACE USE PLAN OF OPERATION

Conditions of Approval (COA's)

- 1. The Ute Tribe Energy and Minerals Department is to be notified 48 hours prior to construction.
- 2. Petroglyph Operating Company will assure the Ute Tribe that any/all contractors/subcontractors have acquired a Tribal Business License and have an Access Permit prior to construction.
- 3. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
- 4. All recommendations of the Bureau of Indian Affairs, combined site specific Environmental Analysis (EA) report shall be strictly adhered, during and after construction.
- 5. All personnel should refrain from collecting artifacts and from disturbing any significant cultural remains from subsurface deposits at are exposed or identified during construction.
- 6. The personnel from the Ute Tribe Energy & Minerals Department should be consulted, should cultural remains from subsurface deposits be exposed during construction work.
- 7. Upon completion of Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resource Department will be notified by Petroglyph Operating Company so that a Tribal Technician can verify Affidavit of Completions.

### Mitigation stipulations from the combined site specific Environmental Analysis.

- 1. Before the site is abandoned the company will be required to restore the well pad and access road to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
- 2. Noxious weeds will be controlled on all well sites and rights-of-way. If noxious weeds spread from the well sites or rights-of-way onto adjoining land, the company will also be responsible for their control.
- 3. The pipeline will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

Where pipelines do not parallel roads but cross country between stations, they shall be welded in place at wellsites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

COA's Page 9 of 9 Well: Ute Tribal 28-04

- 4. An open drilling system shall be used. The reserve pit will be lined with an impervious synthetic liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed, the pit shall be backfilled a minimum of 3.0 feet below the soil surface elevation.
- 5. A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, well sites or other areas will not be allowed.
- 6. An active ferruginous hawk nest is located 1/4 mile away from this well, and is over a ridge and out of site form the well. The well shall be drilled and road & pipeline construction completed between August 15 and February 15.



### DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

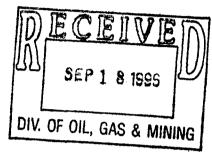
Name of Company: PETROGLYPH OPERATING	
Well Name: <u>UTE TRIBAL 28-04</u>	
Api No. 43-013-31692	
Section 28 Township 5S Range 3W County DU	CHESNE
Drilling Contractor UNION	
Rig #: 12_	
SPUDDED:	
Date: 9/3/96	
Time:	
How: ROTARY	
Drilling will commence:	
Reported by: D. INGRAM-DOGM	
Telephone #:	
Date: 9/5/96 Signed: FRM	

VIA UPS

September 13, 1996

Vicky Dyson State of Utah Division of Oil, Gas & Mining 1594 W. North Temple, Ste. 1210 Salt Lake City, UT 84114

Ms. Dyson:



Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

Well Name	Log	
Ute Tribal 04-01A	CNL, AIT	Mark to the Table Value of the Salar Control of the
Ute Tribal 04-02A	AIT	CONFIDENTIAL
Ute Tribal 04-06B	AIT	
Ute Tribal 04-09	AIT	
Ute Tribal 08-11	CNL, AIT	
Ute Tribal 17-05	CNL, AIT	
Ute Tribal 28-02	CNL, AIT	
Ute Tribal 28-03	CNL, AIT	
Ute Tribal 28-04	T053, R03W, 28 CNL, AIT	43 013 31692
Ute Tribal 29-08	CNL, AIT	

Pursuant to your letter requesting a copy of an FMI log ran on the Ute Tribal 04-02, I am unable to submit a copy for your files since only one copy is ran due to the costly expense. If you have any questions, please do not hesitate to contact me at (316) 665-8500.

Sincerely,

Angela R. Ely

Administrative Operations Manager

ARE/ms

Enclosures

OPERATOR ACCT. NO

N3800

ADDRESS \_\_

P.O. Box 1839

Hutchinson, KS 67504-1839

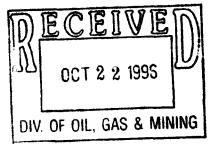
CURRENT	HEH	APT NUNDER	WELL NAME			WELL	SOLID	CEEEETINE		
CHILLY NO.	ENTLLY NO.			QQ	SC	TP	RG	COUNTY	DATE	EFFECTIVE DATE
99999	9985	43-013-31692	Ute Tribal 28-04	NWNW	28	5S	3W	Duchesne	9-2-96	
imments:				<u> </u>		L	<del>'</del>		<u> </u>	<u> </u>
	Ute Triba	1 28-04 will	tie into Ute Tribal 21-13 Bat	tery.	Endi	ty a	dded	10-22-96.	lec	
HUIEHTS:						<u> </u>			<u> </u>	1
HHEHTS:									I	<u> </u>
			t .							
OMMENTS:				L	*****************					<u> </u>
HHEHTS:	·	L		<u> </u>					<u> </u>	
			·							ļ
	PHILITY NO.  9999  OHNERTS:  OHNERTS:  OHNERTS:	ENTITY NO. ENTITY NO.  9999 9985  WHENTS:  Ute Triba  DIMENTS:  DIMENTS:  OWNERTS:	ENTITY NO.   ENTITY NO.	19999   9985   43-013-31692   Ute Tribal 28-04	THE TITLY NO. ENTITY NO. 90  909  909  909  13-013-31692 Ute Tribal 28-04 NWNW  DIMENTS:  Ute Tribal 28-04 will tie into Ute Tribal 21-13 Battery.  DIMENTS:  DIMENTS:	1999   9985   43-013-31692   Ute Tribal 28-04   NWNW   28	11111Y NO.   ENTITY NO.   90   SC   TP	11   17   10   11   11   10   10	ENTITY NO.   ENTITY NO.	Company   1998

A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)

C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity

E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected. (3/89)



Operations Coordinator 9-6-96

Phone No. (801) 722-2531

coou	7	

## STATE OF UTAH DIVISION OF OIL, GAS AND MINING

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	001	. 9	0	100	6	

REPORT OF WATER	ENCOUNTERED	DURING	DRILLIN
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REPORT OF WATER EROSONTERED DOTTER	
1. Well name and number: <u>UTE Tribal</u> 28-04	DIV. OF OIL, GAS & MINING
API number: $43 - 0/3 - 31692$	1
2 Well Location: QQ NWNW Section 28 Township 5S Range 3W County Q	ICHESNE
3. Well operator: PETrogLyph Operating Company, INC.	
Address: P.O. BOX 1839	
Hatchinson, KS. 67054-1839 Phone: 8	01-722-2531
4. Drilling contractor: UNION Brilling	
Address: Drawer 40	
Buckhannon, W.V. 26201 Phone: 30	04-472-4610
5. Water encountered (attach additional pages as needed):	

DEF	'nΗ .	VOLUME	QUALITY				
FROM	то	(FLOW RATE OR HEAD)	(FRESH OR SALTY)				
699		DAMA	Fresh				
977		1/2 STrEAM	Fresh				

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ormation tops:		_	 		
•					
	***				
	<del>************************************</del>		 		

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

Hereby certify that this report is true and complete to the best of my knowledge.

Form 3160-4 (November 1983) (formerly 9-330)

### SUBMIT IN DUP TED STATES

Form approved. Budget Bureau No. 1004-0137 Expires August 31, 1985

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NEW WELL X	WORK	E:	SEP-	DACK		ESVR.	Other			/		anm or te Tr			
		Opera	atino	Compai	nv. Ti	nc.				and the second second	1 1 1	ELL NO.		·	<u>.</u>
3. ADDRESS OF O	PERATOR			hinson			-1839	1	<u> </u>			3-04		L, OR WIL	
4. LOCATION OF V	VELL (Rep	ort locat	ion clc	arly and in	accorda	nce with a	ny State requi	reme	ets)		1 :	ntelop			DCAT
At surface At top prod.				FWL,	NW NI	M	in the second of	a diling Managaran		ITH	AL.	OR AREA			AND SURVE
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9-2-96 20. TOTAL DEPTH, M		11-96		9- K T.D., MD ▲	-24-90	22. IF MUI	TIPLE COMPL			CERVALS		ARY TOOL	LS	CABLI	TOOLS
6237 <b>'</b>			6177	•		HOM. 7	IANY*		DRI	LLED BY			1		
24. PRODUCING INT	TERVAL(S).	OF THIS	COMP	ETION-TO	P, BOTTO	M, NAME (	MD AND TVD)	•			<del></del>		25	WAS DI SURVEY	RECTIONAL MADE
Green Ri						100	NEI								
CNL, AIT		ER LOGS	RUN		1	A Made		≠ N	1 4 1	1177	<b>K</b> C		27. ₩	AS WELL	CORED
29.	9-1	8-76	. 6	10.28			port all string	s set i	in well)					<del></del>	
CABING BIZE	WEI	GHT, LB.	/FT.	DEPTH SE	ET (MD)		I.E SIZE		CE		RECORD			NUOKA	r PULLED
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5 1/2		.5#		622	<u> </u>	_ 7 7	7/8	90	sx hi	Lift	, 375	sx 10	3-0	RFC	
						_									
29.			LINE	RECORD		<u> </u>		1	30.		TUBING	G RECO	R D		
SIZE	TOP (	MD)	,	OM (MD)		CEMENT*	SCREEN (M	D)	SIZE	T		SET (MD	<del></del> -	PACKER	SET (MD)
									2 7/	8	5598	 3			
31. PERFORATION R	F0055 (/-				<u> </u>										
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5548-50	(9 sh	•		4654÷60	•	5 shots	,		L (MD)	·				ATERIAL	
5581-83	(9 sh			4612-18		5 shots	1 2200-0							2500# 4200#	
5102-06	(17 s	-			•		5102-0 4758-6			1				. <u>4200#</u> .3500#	
							4654-6							3600#	
33.*						PROL	OUCTION461		8		0 gal			5700#	
DATE FIRST PRODUC						gas lift, pu	mping—size	and t	ype of pur	np)	<u> </u>		TATUS	(Produc	
11-23-96					2 x 1	1/2 X	16 40 ri	ng	pump		[			cina	
11-24-96		TESTED	CI	IOKE SIZE		'N. FOR PERIOD	01L—88L.   25		GAS-M	CF.	WATE	п—ввt. 93		GAS-OIL R	OITA
FLOW. TUBING PRESS.		PRESSUI	RE CA	LCULATED	011,	-881	GA8	MCF.	<u> </u>	WATER	HBL.		OIL GE	AVITT-API	(CORE.)
	40		İ	-HOUR RATI					-						•
34. DISPOSITION OF SOLd; use	d for	fuel	fuel, v	ented, etc.)								withess ave S			
35. LIST OF ATTACE	IMENTS					į					·				
36. I hereby certify	that the	foregoin	g and	attached in	formatio						all ava	lable re	cords		
SIGNED	ma	2 1	5	USU	L T	ITLE P	roductio	n A	nalyst	-		DATE	12-	2-96	

FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC.		T	ТОР		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH		
Marker	4415							
ouglas Creek	4558							
Limestone	4935							
astle Peak	5486							
Basal Carbonate	5912							
	3312					·		
	'							
,								
			,					

Form 3160-5

\_Approved By

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

## UNITED STATES

FORM APPROVED

	EPARTMENT OF THE I						), 1004-0135 rember 30, 20	00	
	BUREAU OF LAND MANA					5. Lease Serial No.			
SUNDRY Do not use th	1420H623517								
Do not use the abandoned we	6. If Indian, Allottee or UTE INDIAN TR	Tribe Name IBE							
SUBMIT IN TR	IPLICATE - Other instru	ctions on re	verse sic	le.		7. If Unit or CA/Agree 1420H624650	ment, Name a	nd/or No.	
1. Type of Well						8. Well Name and No.	0.4		
☑ Oil Well ☐ Gas Well ☐ O		MOUELLO				UTE TRIBAL 28	-04		
2. Name of Operator PETROGLYPH OPERATING	Contact:	MICHEAL S E-Mail: msa	afford@pe	etroglyphe	nergy.co				
3a. Address P.O. BOX 607 ROOSEVELT, UT 84066		3b. Phone No. Ph: 435.72 Fx: 435.72	22.2531	area code)		10. Field and Pool, or I ANTELOPE CRE	Exploratory EEK		
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	n)				11. County or Parish, a	nd State		
Sec.24 T5S R3W Mer NWNV	V					DUCHESNE CO	UNTY, UT		
12. CHECK APP	ROPRIATE BOX(ES) TO	O INDICATI	E NATUI	RE OF NO	OTICE, R	REPORT, OR OTHER	DATA		
TYPE OF SUBMISSION				TYPE OF A	ACTION				
□ Notice of Intent	☐ Acidize	☐ Dec	epen		☐ Produc	ction (Start/Resume)	☐ Water S	hut-Off	
	☐ Alter Casing	☐ Fra	cture Trea	ıt	☐ Reclar	nation	☐ Well In	egrity	
Subsequent Report	☐ Casing Repair	□ Nev	w Constru	ction	☐ Recon	Recomplete WRK			
☐ Final Abandonment Notice	☐ Change Plans	☐ Plu	g and Aba	ındon	□ Tempo	orarily Abandon			
	☐ Convert to Injection	☐ Plu	g Back		■ Water	Disposal			
13. Describe Proposed or Completed Op If the proposal is to deepen direction Attach the Bond under which the we following completion of the involve testing has been completed. Final A determined that the site is ready for	nally or recomplete horizontally, ork will be performed or provided d operations. If the operation re bandonment Notices shall be fil	, give subsurface the Bond No. o esults in a multin	e locations a on file with le ole completi	and measured BLM/BIA. I ion or recom	d and true v Required st pletion in a	vertical depths of all pertine ubsequent reports shall be f new interval. a Form 3160	nt markers an iled within 30 -4 shall be file	d zones. days ed once	
The above referenced well w 3/15/2001.	as acidized and reperfora	ted to improv	e product	tion startin	g 3/9/200	01 and was put back to	production	1 on	
Zones Perforated				2			i Said		
4608-21, 4654-64, 4756-64,	4 SPF 120 deg phasing					a la la companya di sanggan	-:		
Zones acidized	450/ 1101			<del>}</del>			1		
4756-64 treated with 500 gall 4654-64 treated with 700 gall	ons 15% HCL and additiv	es.		Ŧ		DIVISION OF			
4608-21 treated with 700 gall	ons 15% HCL and additiv	es.		4.1 7. 8.8	. 011	, GAS AND MIN	NG :		
					- ۱۱ ک	y Car			
14. I hereby certify that the foregoing i	s true and correct								
The recopy corresponds to the recogning to	Electronic Submission For PETROGLYP	#4762 verified H OPERATING	by the B COMPA	LM Well Int NY,, sent to	formation the Ver	ı System nai			
Name (Printed/Typed) MICHEAL	SAFFORD		Title	COORDINA	ATOR				
Signatura			Date	06/06/2001			1		
Signature	TUIC CDACE E		<u> </u>		EEICE !				
	THIS SPACE FO	JK FEDEKA	TOK S	IAIE UI					
						ı			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Title

Office



P.O. Box 1839 Hutchinson, KS 675041839 (316) 665-8500



JUN 2 2 2001

DIVISION OF

UTE TRIBAL 28-04

Completion Chronological Report

Page 1 of 2

Well Name: UTE TRIBAL 28-04

DUCHESNE, UT

Well User ID: 1026

Operator: PETROGLYPH OPERATING COMPANY

WI: 0

AFE#: 41932

NRI 0

Loc:

APICode: 4301331692

STR: 28 -5S - 3W

County: Field:

ANTELOPE CREEK

Contractor:

AFE Type: Workover

Spud Date: 9/2/1996

Rig Rel Date:

Total Depth: 6237

ft. ft.

Comp Date: 9/24/1996

**PBTD**: 6139

Job Purpose:

**Completions Detail Report** 

Date: 3/9/2001

Activity: MIRU Rig

Days On Completion: 1

**Rpt Summary:** 

Report Detail: 06:00 to 07:00 - Travel - Crew travel. 07:00 to 10:00 - MIRU - Equipment.

10:00 to 11:00 - Travel - Crew travel.

Date: 3/12/2001

Activity: Acidize

Days On Completion: 4

**Rpt Summary:** 

Report Detail: 06:00 to 07:00 - Travel - Crew travel.

07:00 to 11:00 - Pull rods - Unseat pump and flush tbg w/ 30 bbls wtr. Reseat pump fill tbg w/ 15 bbls and test to

3000 psi, (lost 500 psi in 1 min). POOH w/ rods.

11:00 to 14:30 - Acidize - Treat perfs from 5102 to 5583' w/ 600 gal 15% HCL, (acid wash). ND wellhead release Tr

NU BOP and POOH w/ tbg.

14:30 to 16:30 - Perforate - C5 4608-21', C5.2 4654-64' and C6 4756-64' 4-spf 120° phasing. 16:30 to 17:30 - GIH - w/ scraper, tbg and SV in place testing to 3000 psi. SDFD EOT @ 2159'

17:30 to 18:30 - Travel - Crew travel.

Date: 3/13/2001

Activity: Acidize

**Days On Completion:** 5

**Rpt Summary:** 

Report Detail: 06:00 to 07:00 - Travel - Crew travel.

07:00 to 11:00 - GIH - Finish RIH w/ scraper and tbg pressure testing to 3000 psi. PU 5 jts ran to 5750'. Fish SV an

POOH.

11:00 to 15:00 - Acidize - RIH w/ bp & pkr isolate and treat C6, C5.2, C5 w/ 15% HCL.

15:00 to 17:30 - Swab - Isolate C6, C5.2, C5 and swab, made 7 runs recovered 51 bbls fluid. IFL 400' FFL 3600'.

17:30 to 18:30 - Travel - Crew travel.

Date: 3/14/2001

Activity: Pull Tools

**Days On Completion:** 6

**Rpt Summary:** 

Report Detail: 06:00 to 07:00 - Travel - Crew travel.

07:00 to 11:30 - Swab - Continue to swab, made 5 runs recovered 26 BW and 7 BO. IFL 2700' FFL 3200 w/ PH of

11:30 to 18:30 - POOH - Release pkr, had to work w/ plug to get free. POOH w/ tbg and pkr, plug wasn't on. RIH w retrieving head and tog establish circulation. Attempt to latch onto plug multiple times, finally was able to catch and

retrieve.

18:30 to 19:30 - Travel - Crew travel.





O. Box 1839

Hutchinson KS

67504-1839

Phone: (316) 665-8500

Fax: (316) 665-8577

**Completion Chronological Report** 

Well Name: UTE TRIBAL 28-04

Well User ID: 1026

Operator: PETROGLYPH OPERATING COMPANY

STR: 28 -5S - 3W

County: DUCHESNE, UT

APICode: 4301331692

Field: ANTELOPE CREEK

Contractor:

Spud Date: 9/2/1996

Rig Rel Date:

AFE Type: Workover

AFE#: 41932

WI: 0

Total Depth: 6237

ft.

**PBTD**: 6139

Date: 3/15/2001

Activity: Run tubing and rods

**Days On Completion:** 7

Page 2 of 2

NRI 0

ft.

**Rpt Summary:** 

Comp Date: 9/24/1996

Report Detail: 06:00 to 07:00 - Travel - Crew travel.

07:00 to 13:00 - Run Prod. - RIH w/ production tbg and rods. Seat pump fill tbg w/ 5 bbl wtr and test to 800 psi,

RDMOL put on production.

Casing

DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
9/1/1996	259	0	2. Surface	8.625	24	J-55		12.25	259
9/6/1996	6222	O	4. Production	5.5	15.5	J-55		7.875	6237

#### **Well Perforation History**

(This shows only the perforations for this project or day)

Date	Formation	Perf Status	Upper Perf	Lower Perf	Sht / Ft	Description:	
3/12/2001	C5	Open	4608	4621	4		
3/12/2001	C5.2	Open	4654	4664	4		_
3/12/2001	C6	Open	4756	4764	4		_



DIVISION OF OIL CAS AND MINING Form 3160-5 (August 1999)

### VITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Erminan Marramban 20, 200

SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.					Lease Serial No.     1420H623517      If Indian, Allottee or Tribe Name     UTE INDIAN TRIBE		
SUBMIT IN TRIPLICATE - Other instructions on reverse side.					7. If Unit or CA/Agreement, Name and/or No. 1420H624650		
1. Type of Well  Oil Well Gas Well Oth	er		· · · · · · · · · · · · · · · · · · ·		8. Well Name and No. UTE TRIBAL 28-04		
2. Name of Operator PETROGLYPH OPERATING		MICHEAL SA E-Mail: msaffo	AFFORD rd@petroglyphen	ergy.com	9. API Well No. 43-013-31692		
3a. Address P.O. BOX 607 ROOSEVELT, UT 84066		3b. Phone No Ph: 435.72 Fx: 435.722		)	10. Field and Pool, or Exploratory ANTELOPE CREEK		
4. Location of Well (Footage, Sec., T. Sec., 24 T5S R3W NWNW	, R., M., or Survey Description	)			11. County or Parish, and State  DUCHESNE COUNTY, UT		
12. CHECK APPE	ROPRIATE BOX(ES) TO	) INDICATE	NATURE OF	NOTICE, R	EPORT, OR OTHER	R DATA	
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION			
☐ Notice of Intent	☐ Acidize	☐ Dee	oen	☐ Product	tion (Start/Resume)	■ Water Shut-Off	
_	☐ Alter Casing	☐ Frac	ture Treat	☐ Reclam	ation	☐ Well Integrity	
Subsequent Report	☐ Casing Repair	□ New	Construction	☐ Recomp	olete	Other      Workover Operations	
☐ Final Abandonment Notice	☐ Change Plans		and Abandon		rarily Abandon	Workover Operations	
	☐ Convert to Injection	Plug		☐ Water I	•		
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleted in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)  The above referenced well was acidized and reperforated to improve production starting 5/21/2002 and was put back to production on 5/24/2002.  Zone Perforated 5504-5514, 4 SPF 90 deg phasing  Zones acidized 5504-5514 treated with 1033 gallons 15% HCL and additives.  4756-4765 & 4608-4621 treated with 1323 gallons of 15% HCL and additives.							
	Electronic Submission # For PETROGLYPH	OPERATING	COMPANY,, sei	nt to the Vern	ial		
Name (Printed/Typed) MICHEAL	SAFFORD		Title COOR	DINATOR			
Signature (Electronic S	Submission)		Date 07/23/2	2002			
	THIS SPACE FO	R FEDERA	L OR STATE	OFFICE V	SF.		
		<del>, - , , , , , , , , , , , , , , , , , ,</del>			ILCEIV	En	
Approved_By					Date		
Conditions of approval, if any, are attached. Approval of this notice does not warrant or					JUL 3 1 200		
thich would entitle the applicant to conduct operations thereon.  Office  Division  Office  Of							



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

MAR 1 2 2007

Ref: 8P-W-GW

## CERTIFIED MAIL RETURN RECEIPT REQUESTED

Steve Wall, District Manager Petroglyph Energy, Inc. 4116 West 3000 So. Ioka Lane Roosevelt, UT 84066 Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

RE:

Additional Well to Antelope Creek Area Permit

<u>UIC Permit No. UT20736-00000</u>

Well ID: UT20736-07118
Ute Tribal No. 28-04

43.013.316

Duchesne County, Utah

Dear Mr. Wall:

The Petroglyph Operating Company, Inc. (Petroglyph) request to convert the former Green River Formation oil well Ute Tribal No. 28-04 to an enhanced recovery injection well in the Antelope Creek Waterflood project is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization For Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Antelope Creek Waterflood UIC Area Permit No. UT20736-00000. Unless specifically mentioned in the enclosed Authorization For Additional Well, the Ute Tribal No. 28-04 is subject to all terms and conditions of the UIC Area Permit UT20736-00000 as modified.

Please be aware that Petroglyph does not have authorization to begin injection operations into the well until all <u>Prior to Commencing Injection</u> requirements have been submitted and evaluated by the EPA, and Petroglyph has received written authorization from the Director to begin injection.

RECEIVED MAR 1 4 2007

DIV. OF OIL, GAS & MINING

Prior to receiving an initial authorization to inject for a limited timeframe, the EPA requires that Petroglyph submit for review and approval the following: (1) the results of a Part I (Internal) mechanical integrity test (MIT), (2) a pore pressure calculation of the injection interval, (3) a completed EPA Form No. 7520-12 Well Rework Record. A Part II (External) mechanical integrity test will be reviewed before a final authorization to inject approval is issued.

The initial Maximum Allowable Injection Pressure (MAIP) for the Ute Tribal No. 28-04 was determined to be 1670 psig. UIC Area Permit UT20736-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that tend strates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Ms. Linda Bowling at (303) 312-6254 or 1.800.227.8917 (Ext. 6254). Please submit the required data to <u>ATTENTION: Linda Bowling</u>, at the letterhead address, citing <u>MAIL CODE: 8P-W-GW</u> very prominently.

Sincerely,

Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

encl: Authorization For Conversion of An Additional Well EPA Form No. 7520-12 (Well Rework Record)

#### cc w/enclosures:

Chester Mills, Superintendent BIA - Uintah & Ouray Indian Agency P.O. Box 130 Fort Duchesne, UT 84026

Frances Poowegup, Councilwoman Uintah & Ouray Business Committee Ute Indian Tribe P.O. Box 190 Ft. Duchesne, UT 84026

Irene Cuch, Councilwoman
Uintah & Ouray Business Committee
Ute Indian Tribe
P.O. Box 190
Ft. Duchesne, UT 84026

Maxine Natchees, Chairperson Uintah & Ouray Business Committee Ute Indian Tribe P.O. Box 190 Fort Duchesne, UT 84026

Ronald Groves, Councilman Uintah & Ouray Business Committee Ute Indian Tribe P.O. Box 190 Ft. Duchesne, UT 84026

T. Smiley Arrowchis, Vice Chairman Uintah & Ouray Business Committee Ute Indian Tribe P.O. Box 190 Ft. Duchesne, UT 84026

Fluid Minerals Engineering Office U.S. Bureau of Land Management-Vernal Field Office 170 South 500 East Vernal, Utah 84078

Gilbert Hunt Associate Director Utah Division of Oil, Gas, and Mining 1594 West North Temple - Suite 1220 Salt Lake City, UT 84114-5801

Kenneth Smith
Executive Vice President and Chief
Operating Officer
Petroglyph Energy, Inc.
555 S. Cole Blvd
Boise, ID 83709

Lynn Becker, Director
Energy and Minerals Department
Ute Indian Tribe
P.O. Box 70
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Richard Jenks, Jr., Councilman Uintah & Ouray Business Committee Ute Indian Tribe P.O. Box 190 Ft. Duchesne, UT 84026

Shaun Chapoose, Director Land Use Department Ute Indian Tribe P.O. Box 460 Fort Duchesne, UT 84026

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DIV. OF OIL, GAS & MINING



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

### <u>AUTHORIZATION FOR ADDITIONAL WELL</u>

UIC Area Permit No: UT20736-00000

The Antelope Creek Waterflood Final UIC Area Permit No. UT20736-00000, effective July 12, 1994, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On February 1, 2006 the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name:

EPA Well ID Number:

Location:

Ute Tribal 28-04

UT20736-07118

660 ft FNL & 660 ft FWL NW NW Sec. 28 - T5S - R3W

Duchesne County, Utah

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20736-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20736-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: <u>MAR 1 2 2007</u>

Stephen S. Tuber

\*Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

\* The person holding this title is referred to as the Director throughout the Permit and Authorization

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### WELL-SPECIFIC REQUIREMENTS

Well Name: <u>Ute Tribal 28-04</u> EPA Well ID Number: <u>UT20736-07118</u>

## <u>Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:</u>

- 1. a successful Part I (Internal) Mechanical Integrity Test (MIT);
- 2. pore pressure calculation of the proposed injection zone; and
- 3. completed Well Rework Record EPA Form No. 7520-12 and schematic diagram.

Approved Injection Zone: Injection is approved between the base of the Green River A Lime Marker, at approximately 3909 ft (KB)<sub>CBL</sub>, to the top of the Basal Carbonate, at approximately 5912 ft (KB)<sub>CBL</sub>.

<u>Maximum Allowable Injection Pressure (MAIP)</u>: The initial MAIP is <u>1,670 psig</u>, based on the following calculation:

MAIP = [FG - (0.433)(SG)] \* D, where FG = 0.80 psi/ft SG = 1.009  $D = \underline{4608 \text{ ft}}$  (top perforation depth KB) MAIP =  $\underline{1,670 \text{ psig}}$ 

UIC Area Permit No. UT20736-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction and Corrective Action: The following Corrective Action is required.

The cement bond log did not provide evidence that an effective barrier exist to prevent significant upward fluid movement through vertical channels adjacent to the injection well bore. Therefore the operator shall demonstrate Part II Mechanical Integrity within one hundred eighty (180) days after commencing injection and at least once every five (5) years thereafter using a temperature survey, noise log, oxygen activation log, or a radioactive tracer survey under certain circumstances.

The permit limits the injection zone to "the gross interval within the Green River Formation", which is between the approximate depths of 3909 ft and 5912 ft (KB)<sub>CBL</sub>. Documentation for both procedures shall be submitted to the Director for review before authorization to inject will be permitted.

### Tubing: No Corrective Action is required.

2-3/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft above the top perforation.

### Corrective Action for Wells in Area of Review: No Corrective Action is required.

The following wells that penetrate the confining zone are within or proximate to a 1/4 mile radius around the Ute Tribal No. 28-04. This well was evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Well: Ute Tribal No. 21-13 Location: Sec. 21 - T5S - R3W Well: Ute Tribal No. 28-03 Location: Sec. 28 - T5S - R3W Well: Ute Tribal No. 28-03C Location: Sec. 28 - T5S - R3W Well: Ute Tribal No. 28-05A Location: Sec. 28 - T5S - R3W

Near the AOR

Well: Ute Tribal No. 29-01 Location: Sec. 29 - T5S - R3W

### Demonstration of Mechanical Integrity: The following Corrective Action is required.

A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required prior to injection and at least once every five (5) years thereafter. EPA reviewed the cement bond log and was unable to determine if the cement would provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR 146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is required within one-hundred and eighty (180) days after injection begins and every five (5) years thereafter.

### Demonstration of Financial Responsibility: No Corrective Action is required.

The applicant has demonstrated financial responsibility in the amount of \$15,000 via a Surety Bond that has been reviewed and approved by the EPA.

### Plugging and Abandonment: The following Action is required.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging after each plug is set. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation (located at 4608 ft (KB)) with a minimum 20 ft cement plug on top of the CIBP.
- PLUG NO. 2: Set a minimum 200 ft cement plug inside and backside (unless preexisting backside cement precludes cement-squeezing this interval) of the 5-1/2" casing across the Trona Zone and the Mahogany Shale, between approximately 2753 ft (KB) to 2953 ft (KB).
- PLUG NO. 3: Set a minimum 200 ft cement plug on the inside and backside (unless pre-existing backside cement precludes cement-squeezing this interval) of the 5-1/2" casing across the Green River, between approximately 1460 ft (KB) to 1660 ft (KB).
- PLUG NO. 4: Set a minimum 200 ft cement plug on the inside and backside (unless pre-existing backside cement precludes cement-squeezing this interval) of the 5-1/2" casing across the USDW, between approximately 1097 ft (KB) and 1297 ft (KB).
- PLUG NO. 5: Set a minimum 50 ft cement plug on the backside of the 5-1/2" casing, across the surface casing shoe at 259 ft (KB) (unless pre-existing backside cement precludes cement-squeezing this interval.)
- PLUG NO. 6: Set a cement plug inside of the 5-1/2" casing, from at least 234 ft (KB) to 284 ft (KB).
- PLUG NO. 7: Set a cement plug on the backside of the 5-1/2" casing, from surface to a depth of at least 50 ft.
- PLUG NO. 8: Set a cement plug inside of the 5-1/2" casing from surface to a depth of at least 50 ft.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

### Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) <u>Compliance Schedules</u>. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.

(c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

### **Twenty-Four Hour Noncompliance Reporting:**

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1.800.227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at 303.293.1788 if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

### Oil Spill and Chemical Release Reporting:

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) 1.800.424.8802 or 202.267.2675, or through the NRC website at <a href="http://www.nrc.useg.mil/index.htm">http://www.nrc.useg.mil/index.htm</a>.

### Other Noncompliance:

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

#### Other Information:

Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

### WELL-SPECIFIC CONSIDERATIONS

Well Name: <u>Ute Tribal 28-04</u> EPA Well ID Number: <u>UT20736-07118</u>

<u>Underground Sources of Drinking Water (USDWs)</u>: USDWs in the Antelope Creek Waterflood area generally may occur within the Uinta Formation, which extends from the surface to the top of the Green River Formation at approximately 1560 ft below ground surface. According to "Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92," the base of moderately saline ground water may be found at approximately 285 ft below ground surface at this well location. Based on the correlation to the Antelope Creek Ute Tribal 04-03 Type Log the base of the USDW was found to be 1195 ft (KB) in the Ute Tribal 28-04 well.

<u>Confining Zone</u>: The Confining Zone at this location is approximately 199 ft of interbedded limestone and shale between the depths of 3710 ft to 3909 ft (KB) which directly overlies the Injection Zone, based on correlation to the Antelope Creek Ute Tribal 04-03 well Type Log. Additional impermeable lacustrine shale beds above the Confining Zone provide for further protection for any overlying USDW.

<u>Injection Zone</u>: The Injection Zone at this well location is an approximately 2003 ft section of multiple lenticular sand units interbedded with shale, marlstone and limestone from the base of the Confining Zone at 3909 ft (KB) to the top of the Basal Carbonate Formation at 5912 ft (KB), based on correlation to the Antelope Creek Ute Tribal 04-03 well Type Log.

<u>Well Construction:</u> The cased hole cement bond log shows the top of the continuous casing cement at approximately 2716 ft and shows variable quality of the downhole cement. Therefore, EPA will require demonstration of Part II (External) Mechanical Integrity through the operation life of the well, and has amended the plugging and abandonment plan to include a cement squeeze plug outside of the casing across the base of USDW's at 1197 ft KB.

Surface Casing: 8-5/8" casing is set at 259 ft (KB) in a 12-1/4" hole, using 150 sacks

cement circulated to the surface.

Longstring Casing: 5-1/2" casing is set at 6222 ft (KB) in a 7-7/8" 6237 ft Total Depth hole

with a plugged back total depth (PBTD) of 6177 ft, cemented with 90

sacks cement.

Top of Cement: 2716 ft (KB) *cbl* 

Perforations: top perforation: 4608 ft (KB) Bottom perforation: 5514 ft (KB)

Wells in Area of Review (AOR): Construction and cementing records, including cement bond logs (CBL) as available, for one well in the 1/4 mile AOR that penetrated the confining zone was reviewed and found adequate to prevent fluid movement out of the injection zone and into USDWs.

Well: Ute Tribal No. 21-13 Casing Cement top: 900 ft (KB)  $_{\text{CBL}}$  Well: Ute Tribal No. 28-03 Casing Cement top: 3534 ft (KB)  $_{\text{CBL}}$  Well: Ute Tribal No. 28-03C Casing Cement top: 2900 ft (KB)  $_{\text{CBL}}$  Well: Ute Tribal No. 28-05A Casing Cement top: 3230 ft (KB)  $_{\text{CBL}}$ 

Near the AOR:

Well: Ute Tribal No. 29-01 Casing Cement top: 1696 ft (KB) CBL

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU. GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES					
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: 142H623517				
SUNDRY NOTICES AND REPORTS ON	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom	7. UNIT OF CA AGREEMENT NAME: 1420H624650				
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for su  1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER Injection		8. WELL NAME and NUMBER: Ute Tribal 28-04			
2. NAME OF OPERATOR:		9. API NUMBER:			
Petroglyph Operating Company, Inc.		4301331692			
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:			
P. O. Box 607 Roosevelt STATE UT 2/18 84066	6 (435) 722-5304	Antelope Creek			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 660' FNL and 660' FWL		COUNTY: Duchesne			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 28 T5S R3W		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NA	TURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION				
GACIDZE CI D	DEEPEN	REPERFORATE CURRENT FORMATION			
NOTICE OF INTENT (Submit in Duplicate)  ALTER CASING	RACTURE TREAT	SIDETRACK TO REPAIR WELL			
	IEW CONSTRUCTION	TEMPORARILY ABANDON			
	PERATOR CHANGE	TUBING REPAIR			
3/13/2007	LUG AND ABANDON	VENT OR FLARE			
(Submit Original Form Only)	LUG BACK	WATER DISPOSAL			
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF			
	RECLAMATION OF WELL SITE	OTHER:			
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION				
This sundry is serving notice that Petroglyph Operating Company, Inc. (POCI) plans to convert the Ute Tribal 28-04 to an injection well from a producing well. This work is being performed under our area UIC permit number UT 20736-00000. POCI has obtained approval to perform the conversion on the Ute Tribal 28-04 from the EPA. After the conversion on the Ute Tribal 28-04 is complete, POCI will submit the necessary information to the EPA to obtain approval to began injection operations.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY					
NAME (PLEASE PRINT) Steve Wall	<sub>тітье</sub> Manager				
SIGNATURE Stup Well	DATE 3/13/2007				
(This space for State use only)		RECEIVED			

DIV. OF OIL, GAS & MINING

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# STATE OF LITAH

DEPARTMENT OF NATURAL RESOURCES								
	τ	5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H623517						
	SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	30110111	Ute Indian Tribe						
Dor	not use this form for proposals to drill ne drill horizontal lat	w wells, significantly deepen existing wells below current bottom-hole depth, reenter plug erals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: 1420H624650					
1. TY	PE OF WELL OIL WELL	GAS WELL OTHER Injection well	8. WELL NAME and NUMBER: Ute Tribal 28-04					
	AME OF OPERATOR:	non los	9. API NUMBER: 4301331692					
	troglyph Operating Com							
	DDRESS OF OPERATOR:  D. Box 607  CITY	Roosevelt STATE UT ZIP 84078 PHONE NUM (435) 72	l '					
4. LC	OCATION OF WELL							
FC	DOTAGES AT SURFACE: 660' FI	NL and 660' FWL	COUNTY: Duchesne					
Q.	TR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: NWNW 28 T5S R3W	STATE: UTAH					
11.	CHECK APPR	OPRIATE BOXES TO INDICATE NATURE OF NOTI	CE, REPORT, OR OTHER DATA					
	TYPE OF SUBMISSION	TYPE OF AC	TION					
$\overline{\Box}$	NOTICE OF INTENT	ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION					
Ш	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL					
	Approximate date work will start:	CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON					
		CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR					
		CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE					
Z	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME PLUG BACK	WATER DISPOSAL					
	Date of work completion:	CHANGE WELL STATUS PRODUCTION (START//RE	SUME) WATER SHUT-OFF					
	3/20/2007	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL	OTHER:					
	3/20/2007	CONVERT WELL TYPE RECOMPLETE - DIFFERE	IT FORMATION					
12.	DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pertinent details including dates	depths, volumes, etc.					
1 14	a Tribal 28 04 has been	converted from production to injection to support the	ngoing secondary water flood currently active					
Ute Tribal 28-04 has been converted from production to injection to support the ongoing secondary water flood currently active								
in the Antelope Creek Field. The rods and 2 7/8" tubing have been removed and an injection 2 3/8" J-55 4.7# injection string								
has been installed with packer set at 4560' +/- KB. Packer fluid has been circulated in the casing and a successful M.I.T.								
conducted. This well was converted with no other down hole changes.								

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

NAME (PLEASE PRINT)	Steve Wall	TITLE	Manager
SIGNATURE	Stew West	DATE	3/30/2007

(This space for State use only)

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DIV. OF OIL, GAS & MINING

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU. GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H623517					
SUNDRY NOTICES AND REPORTS ON W	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe					
	7. UNIT of CA AGREEMENT NAME:					
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hol drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such pr	oposals.	1420H62450  8. WELL NAME and NUMBER:				
1. TYPE OF WELL OIL WELL GAS WELL OTHER Water Inje	ection Well	Ute Tribal 28-19 64				
2. NAME OF OPERATOR:		9. API NUMBER: 4301331692				
Petroglyph Operating Company, Inc.  3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:				
P. O. Box 607 CITY Roosevelt STATE Ut ZIP 84066	(435) 722-5304	Antelope Creek				
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 660' FNL 660' FWL		COUNTY: Duchesne				
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 28 T5S R3W		STATE: UTAH				
11. CHECK APPROPRIATE BOXES TO INDICATE NATU	<del></del>	RT, OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION	REPERFORATE CURRENT FORMATION				
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEPI  ALTER CASING  FRAC	:N FURE TREAT	SIDETRACK TO REPAIR WELL				
	CONSTRUCTION	TEMPORARILY ABANDON				
	ATOR CHANGE	TUBING REPAIR				
CHANGE TUBING PLUG	AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT CHANGE WELL NAME PLUG	BACK	WATER DISPOSAL				
(Submit Original Form Only)  Date of work completion:  CHANGE WELL STATUS  PROD	UCTION (START/RESUME)	WATER SHUT-OFF				
	AMATION OF WELL SITE	OTHER:				
CONVERT WELL TYPE RECO	MPLETE - DIFFERENT FORMATION					
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  First date of Injection July 24, 2007  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY.						
NAME (PLEASE PRINT) Steve Wall TITLE Manager						
1 7. 1 11 . 1	7/25/2007					
SIGNATURE DATE 1/25/2007						

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